

ABSTRACT OF THE DISCLOSURE

A method for the production of a homogenous, shaped SiO_2 body of near net shape wherein amorphous SiO_2 particles comprising relatively large amorphous SiO_2 particles and relatively small amorphous SiO_2 particles are 5 electrophoretically deposited from an aqueous dispersion on an electrically nonconductive membrane, the shape and geometry of which correspond to the shaped SiO_2 body to be produced, wherein the membrane has an average pore size which is larger than the average particle size of the smaller amorphous SiO_2 particles.